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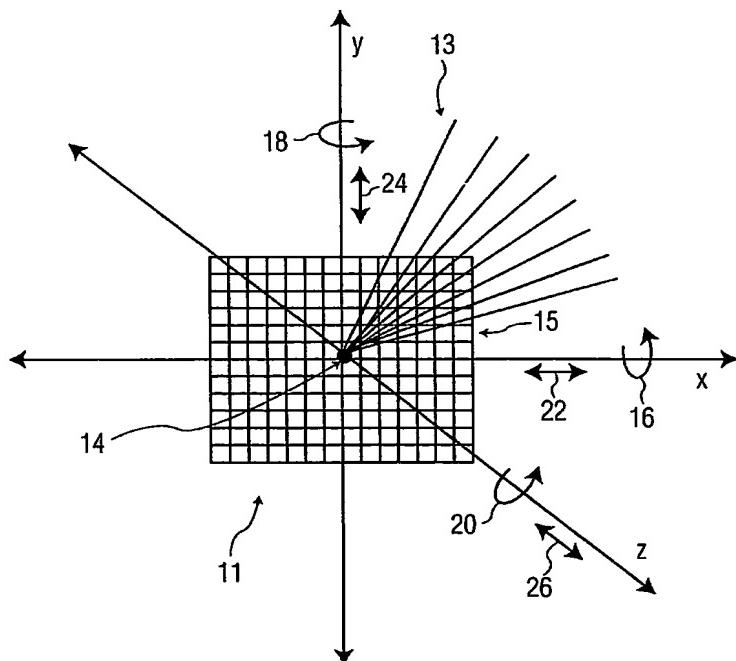
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(54) Title: ULTRASONIC DIAGNOSTIC IMAGING WITH AUTOMATIC ADJUSTMENT OF BEAMFORMING PARAMETERS



(57) Abstract: An ultrasound imaging system and method is provided for acquiring a series of images. The ultrasound system includes a transducer (11) for emitting and receiving ultrasound energy, a beamformer assembly (402) for beamforming in accordance with at least one beamforming parameter the emitted and received ultrasound energy for generating a plurality of scan lines and acquiring a series of images, and at least one user input device (460) for enabling a user to select at least one automatic adjustment parameter including an axis selectable from a line in space for which scan lines of a set of scan lines generated during one of rotation about the line in space or translation along the line in space lie within an acoustic field of view of the transducer and an adjustment factor. The ultrasound system further includes a control unit (412) for controlling the beamformer assembly during acquisition of the series of images for adjusting the at least one beamformer parameter for an image being acquired with respect to a previous image acquired in accordance with the at least one automatic adjustment parameter, for at least one of rotating

about the axis and translating along the axis the image being acquired with respect to the previous image by an amount defined by the adjustment factor.

WO 2005/050252 A1



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